

Title (en)

Resistance welding device, particularly for welding portions of a motor vehicle body

Title (de)

Widerstandsschweißvorrichtung, insbesondere zur Schweißung von Teilen einer Fahrzeugkarosserie

Title (fr)

Dispositifs de soudage par résistance pour souder des parties d'un corps de moteur de véhicule

Publication

EP 1878529 A2 20080116 (EN)

Application

EP 07013464 A 20070710

Priority

IT TO20060509 A 20060713

Abstract (en)

A resistance welding device, particularly for welding portions of a motor vehicle body, comprises a robotized moving apparatus (12) provided with a movable arm (14) which supports a welding tool (18) intended to carry out projection weldings at a plurality of zones of a piece (20; 30). The welding tool (18) includes a body from which a welding C-shaped unit (24) extends, provided with a pair of opposite and aligned welding electrodes (26, 27), which body contains a transformer for feeding current to said welding electrodes (26, 27). The device (11) comprises a resting structure (32) provided with support members (40) for supporting a composite panel (30), reference means (42, 46) for correctly positioning the elements (30a, 30b) of the panel (30) during the welding, and at least a earth electrode (48) which is movable for closing, through the panel (30), the circuit for feeding current to the welding electrodes (26, 27).

IPC 8 full level

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CPC (source: EP)

B23K 11/314 (2013.01); **B62D 65/06** (2013.01)

Cited by

EP2894003A1; US9700952B2; CN103157945A; FR3079203A1; EP2664406A1; US2013306603A1; CN103418903A; CN106944730A

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